

HAKAN OKAY

SOFTWARE DEVELOPER

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👤 SUMMARY

💻 I'm a software developer with three years of experience developing web applications and services, creating solutions to infrastructure & cloud problems and building data-driven decision systems with machine learning.

♥ I'm fluent in Python, SQL, and English. I've also written a good amount of TypeScript, and JavaScript. I have exposure to Go and Java. I learn quickly, care about detail and I like finishing tasks and focusing on the results.

⚙️ SKILLS

Programming Languages: Python, SQL, TypeScript, JavaScript, Go, Java

Libraries & Frameworks: React, Next.js, Tailwind, FastAPI

Tools & Platforms: Linux, Git, Docker, Airflow, Google Cloud

🏢 EXPERIENCE

Software Developer @ hakanokay.dev 🌐

June 2022 - Present

- Redesigned and redeveloped **Musme Library** 🌐 using modern web technologies, reducing page load times by 50%. Mentored the other four contributors and offered feedback on their code.
- Developed a web service to manage the sale records of a **local store** 🌐, increasing data accessibility and simplifying data management.
- Trained a machine learning model that predicts the likelihood of conversion in a session with a %95 F1-score and served it over the cloud.
- Migrated a CRM application from PHP to Python and updated the data retrieval and processing scripts, reducing data processing times by %25.

Backend Engineer @ datablast.io 🌐 ~ 🧑 Role Change

February 2023

- Created and optimized RESTful API endpoints querying big data warehouses to generate static analytics reports, reduced response times by %15.
- Built a SQL generation engine to automate the data warehousing process for products that have similar data characteristics, reduced the onboarding times by %30.
- Contributed to **blast** 🌐, a CLI tool allows using SQL and Python on the same pipeline for validating and running data transformations.
- Diagnosed and resolved issues within the parser of a specialized SQL-like querying language designed for efficient cloud querying on the platform.

Data Engineer @ datablast.io 🌐

March 2022

- Built ETL pipelines to process ~1billion rows of data ingested daily from **various backends** 🌐, reduced querying costs and processing times %30.
- Implemented Airflow operators to **notify and alert** 🌐 stakeholders about their warehousing and querying costs.
- Created the technical **documentation** 🌐 of Blast Data Platform, reduced onboarding times and support ticket volume by %20.
- Added data validation scripts to the pipelines to ensure data integrity, and reduced data inconsistencies by %25.

🎓 EDUCATION

Algonquin College of Applied Arts and Technology

Ottawa, ON

Diploma in Computer Programming

September 2022 - December 2023

Miuul & Data Science Academy

Uppsala, Sweden (Remote)

Certificate in Data Science and Machine Learning

December 2021 - March 2022

Canakkale Onsekiz Mart University

Canakkale, Turkey

Master's Degree in Engineering

February 2021 - February 2024

Akdeniz University

Antalya, Turkey

Bachelor's Degree in Engineering

September 2014 - September 2019